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OM nucleic - nucleic search, using sw model

Run on: November 2, 2002, 13:15:51 ; Search time 22.6726 Seconds
(without alignments)
7432.073 Million cell updates/sec

Title: US-09-811-093B-46

Perfect score: 686

Sequence: 1 tctatatcttagatagaag.....cttgttatgttcgttattt 686

scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 383533 seqs, 122816752 residues

Total number of hits satisfying chosen Parameters: 767066

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_NA:*

1: /cgn2_6/pctodata/1/ina/5A_COMB.seq;*
2: /cgn2_6/pctodata/1/ina/5B_COMB.seq;*
3: /cgn2_6/pctodata/1/ina/6A_COMB.seq;*
4: /cgn2_6/pctodata/1/ina/6B_COMB.seq;*
5: /cgn2_6/pctodata/1/ina/PCITS_COMB.seq;*
6: /cgn2_6/pctodata/1/ina/backfiles.seq;*

Pred. No. 1 is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
1	682.8	99.5	686	3	US-09-142-514-2	Sequence 2, Appl1
2	132.2	19.3	751	1	US-08-592-936B-10	Sequence 10, Appl1
3	132.2	19.3	751	1	US-08-588-928A-16	Sequence 16, Appl1
4	132.2	19.3	751	1	US-09-111-573-10	Sequence 10, Appl1
5	99.4	14.5	745	1	US-08-592-936B-11	Sequence 11, Appl1
6	99.4	14.5	745	1	US-08-588-928A-19	Sequence 19, Appl1
7	99.4	14.5	745	2	US-09-111-573-11	Sequence 11, Appl1
8	99.4	14.5	2213	1	US-08-592-936B-12	Sequence 12, Appl1
9	99.4	14.5	2213	1	US-08-588-928A-1	Sequence 1, Appl1
10	99.4	14.5	2213	2	US-09-111-573-12	Sequence 1, Appl1
c 11	41.2	6.0	1320	1	US-08-557-073-15	Sequence 12, Appl1
c 12	41.2	6.0	1482	4	US-08-598-327E-41	Sequence 41, Appl1
c 13	41.2	6.0	1482	4	US-08-588-327E-45	Sequence 41, Appl1
c 14	41.2	6.0	1482	4	US-08-562-625-41	Sequence 41, Appl1
c 15	41.2	6.0	1482	4	US-08-562-625-45	Sequence 45, Appl1
c 16	41.2	6.0	1493	4	US-08-598-327E-38	Sequence 38, Appl1
c 17	41.2	6.0	1493	4	US-08-562-625-38	Sequence 38, Appl1
c 18	41	6.0	602	1	US-08-564-100-8	Sequence 8, Appl1
c 19	41	6.0	642	1	US-08-764-100-13	Sequence 13, Appl1
c 20	41	6.0	643	1	US-08-564-100-7	Sequence 7, Appl1
c 21	41	6.0	2993	1	US-08-564-100-2	Sequence 2, Appl1
c 22	41	6.0	2993	1	US-08-764-100-10	Sequence 10, Appl1
c 23	41	6.0	3000	1	US-08-564-100-9	Sequence 9, Appl1
c 24	41	6.0	3001	1	US-08-564-100-1	Sequence 1, Appl1
c 25	40.6	5.9	418	4	US-08-642-24D-46	Sequence 46, Appl1
c 26	40.6	5.9	418	3	US-08-545-16B-12	Sequence 2, Appl1
c 27	40.6	5.9	1150	1	US-08-161-406-1	Sequence 1, Appl1

ALIGNMENTS

RESULT 1	US-09-142-514-2	Application US-/09142514A
; Sequence 2,	Application US-/09142514A	
; Patent No. 6107548		
; GENERAL INFORMATION:		
; APPLICANT: Aggelis, Alexandros		
; APPLICANT: Grierson, Donald		
; APPLICANT: Karvouni, Zoi		
; APPLICANT: John, Isaac		
; TITLE OF INVENTION: Fruit Ripening		
; FILE REFERENCE: SEE50111-USP		
; CURRENT APPLICATION NUMBER: US-/09/142,514A		
; EARLIER APPLICATION NUMBER: PCT/GB97/00824		
; EARLIER FILING DATE: 1997-03-24		
; NUMBER OF SEQ ID NOS: 4		
; SOFTWARE: Patentin Ver. 2.0		
; SEQ ID NO 2		
; LENGTH: 686		
; TYPE: DNA		
; ORGANISM: Cucumis melo		
; US-09-142-514-2		
Query Match	99.5%	Score 682.8; DB 3;
Best Local Similarity	99.78;	Pred. No. 3.7e-155;
Matches 684; Conservative	0;	Mismatches 2; Indels 0; Gaps 0;
Qy 1 TCTATCTAGATGAAAGTTAAATCATGTCTTAATGGAAAGCTGTGAGTGA	60	
Db 1 TCTATCTAGATGAAAGTTAAATCATGTCTTAATGGAAAGCTGTGAGTGA	60	
Qy 1 TTAGAGATCATGCACGCTCGTGAATAAGATTCAGATAATCAATGTTTCAG	120	
Db 1 TTAGAGATCATGCACGCTCGTGAATAAGATTCAGATAATCAATGTTTCAG	120	
Qy 1 GTTCCCAATATAACCCCCAGATGCACTTCAGTGAATAATTCAGTGTGGAT	180	
Db 1 GTTCCCAATATAACCCCCAGATGCACTTCAGTGAATAATTCAGTGTGGAT	180	
Qy 1 GGCACTGGACATGGCTATCAAGCTTGGPATACACTATGGCAAGGCCAGAGTT	240	
Db 1 GGAAATGGACATGGCTCTATCAAGCTTGGPATACACTATGGCAAGGCCAGAGTT	240	
Qy 241 TTAAGGAACGGTCACTGGTGAATGTTGATAGCTTGATGGTGGGA	300	
Db 241 TTAAGGAACGGTCACTGGTGAATGTTGATAGCTTGATGGTGGGA	300	
Qy 241 GGAGATGTGTCAAAATTAAAAGCTTTAACCAACTTACCTAAAGGAT	360	

TELEFAX: (650) 324-0960
 INFORMATION FOR SEQ ID NO: 16:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 751 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 INDIVIDUAL ISOLATE: PAG301 insert, drul cDNA clone
 US-08-788-928A-16

Query Match 19.3%; Score 132.2; DB 1; Length 751;
 Best Local Similarity 56.8%; Pred. No. 2.9e-23;
 Matches 264; Conservative 0; Mismatches 198; Indels 3; Gaps 1;

QY 43 GGAAGCTTGAGTGAATTAGAGATCAATGCGAGTGGAGAAATTACGAAATATTC 102
 Db 4 GGAAGGTGGAGCTGACATTAATCGACACTGAGCTGAGAACCTCTTC 63

QY 103 AAAGTCAATGTTTCAGGTTCCCATATAACCCCAAGATGCCATTCAACAGTGAATT 162
 Db 64 AAGACTGGGCTCACCGTCCCRAAAACTCTCAAAACNGCACCATAACGGAG--TT 120

QY 163 CATGCTACTATTTGGATGCCATGACATGGCTTATCAAGTGTGTTACATT 222
 Db 121 GCGGTGCAATGAGGAGACTGGAAACTGATGGCTCATTAAGATTGGATTACATA 180

QY 223 GATGGCAAGGCAAGATTTTAAGGAAAGCTGGTCAAGATGATAATTGTTGATA 282
 Db 181 GAGGCGAACTGGGAACTCAAGGAAAGTCAAGGAGCTAGACAGTGAACAGCATA 240

QY 283 GTCTGGATGGAGTGGAGGAGATGTTCAAAATTATAAAAGCTTAACCCAGCTAC 342
 Db 241 ATTCTGATGGTGGAGGAGATGTTCAAGGAGATGTTCAAGGCTTCAGGCCCTCTAT 300

QY 343 CAATTGTACTTAAGGATCTAACCTGAGGAAATCTGAGTAGATAGGTATGAGAA 402
 Db 301 CAATTCTAACAAAGAATGATGGCATCTCAATAGTATGACCTCATGTTACAAAC 360

QY 403 CCTTCATATGGTCCTGATCTCAATAGTATGACCTCATGTTACAAAC 462
 Db 361 CTGAGTGGAGAAGTGCAGTCCAAATAAAGTACATGCTGTGATAATCTCAAG 420

QY 463 GACATTGATCTCACATAATAAGTATTAATGTCGTGACATT 507
 Db 421 GATCTTGATGCCACTTCATCAAGSCATATAAGGSGATATTATAAT 465

RESULT 4
 US-09-111-573-10
 Sequence 10, Application US/09111573
 Patent No. 5529302
 GENERAL INFORMATION:
 APPLICANT: Kellogg, Jill A.
 TITLE OF INVENTION: PLANT TISSUE / STAGE SPECIFIC PROMOTERS FOR
 TITLE OF INVENTION: REGULATED EXPRESSION OF TRANSGENES IN PLANTS
 NUMBER OF SEQUENCES: 27
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Behlinger & Associates
 STREET: 350 Cambridge Avenue, Suite 250
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94106
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/111,573
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/592,936
 FILING DATE: 29-JAN-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Evans, Susan T.
 REGISTRATION NUMBER: 38,443
 REFERENCE/DOCKET NUMBER: 4257-0012
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 324-0880
 TELEFAX: (650) 324-0960
 INFORMATION FOR SEQ ID NO: 10:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 751 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 INDIVIDUAL ISOLATE: pag301 insert, drul cDNA clone
 US-09-111-573-10

Query Match 19.3%; Score 132.2; DB 2;
 Best Local Similarity 56.8%; Pred. No. 2.9e-23;
 Matches 264; Conservative 0; Mismatches 198; Indels 3; Gaps 1;

QY 43 GGAAGCTTGAGTGAATTAGAGATCAATGCGAGTGGAGAAATTACGAAATATTC 102
 Db 4 GGAAGGTGGAGCTGACATTAATCGACACTGAGCTGAGAACCTCTTC 63

QY 103 AAAGTCAATGTTTCAGGTTCCCATATAACCCCAAGATGCCATTCAACAGTGAATT 162
 Db 64 AAGACTGGGCTCACCGTCCCRAAAACTCTCAAAACNGCACCATAACGGAG--TT 120

QY 163 CATGCTACTATTTGGATGCCATGACATGGCTTATCAAGTGTGTTACATT 222
 Db 121 GCGGTGCAATGAGGAGACTGGAAACTGATGGCTCATTAAGATTGGATTACATA 180

QY 223 GATGGCAAGGCAAGATTTTAAGGAAAGCTGGTCAAGATGATAATTGTTGATA 282
 Db 181 GAGGCGAACTGGGAACTCAAGGAAAGTCAAGGAGCTAGACAGTGAACAGCATA 240

QY 283 GTCTGGATGGAGTGGAGGAGATGTTCAAAATTATAAAAGCTTAACCCAGCTAC 342
 Db 241 ATTCTGATGGTGGAGGAGATGTTCAAGGAGATGTTCAAGGCTTCAGGCCCTCTAT 300

QY 343 CAATTGTACTTAAGGATCTAACCTGAGGAAATCTGAGTAGATAGGTATGAGAA 402
 Db 301 CAATTCTAACAAAGAATGATGGCATCTCAATAGTATGACCTCATGTTACAAAC 360

QY 403 CCTTCATATGGTCCTGATCTCAATAGTATGACCTCATGTTACAAAC 462
 Db 361 CTGAGTGGAGAAGTGCAGTCCAAATAAAGTACATGCTGTGATAATCTCAAG 420

QY 463 GACATTGATCTCACATAATAAGTATTAATGTCGTGACATT 507
 Db 421 GATCTTGATGCCACTTCATCAAGSCATATAAGGSGATATTATAAT 465

RESULT 5
 US-08-552-936B-11
 Sequence 11, Application US/08592936B
 Patent No. 5783393
 GENERAL INFORMATION:
 APPLICANT: Kellogg, Jill A.
 TITLE OF INVENTION: PLANT TISSUE / STAGE SPECIFIC PROMOTERS FOR
 TITLE OF INVENTION: REGULATED EXPRESSION OF TRANSGENES IN PLANTS
 NUMBER OF SEQUENCES: 27
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Behlinger & Associates
 STREET: 350 Cambridge Avenue, Suite 250
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94106
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0

NUMBER OF SEQUENCES: 27
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Dehlinger & Associates
 STREET: 350 Cambridge Avenue, Suite 250
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94306
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/592,936B
 FILING DATE: 29-JAN-1996
 CLASSIFICATION: 800
 ATTORNEY/AGENT INFORMATION:
 NAME: Evans, Susan T.
 REGISTRATION NUMBER: 38,443
 REFERENCE/DOCKET NUMBER: 4257-0012
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 324-0880
 TELEFAX: (650) 324-0960
 ATTORNEY ID NO: 11:
 INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 745 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 HYPOOTHEICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 INDIVIDUAL ISOLATE: PAG302, drul genomic clone
 US-08-592,936B-11

Query Match 14.5%; Score 99.4%; DB 1; Length 745;
 Best Local Similarity 57.1%; Pred. No. 2.1e-15;
 Matches 181; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

US-08-592,936B-19

Query Match 14.5%; Score 99.4%; DB 1; Length 745;
 Best Local Similarity 57.1%; Pred. No. 2.1e-15;
 Matches 181; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

US-08-592,936B-19

QY 191 AGGGCTATCAAGTCCTGATTACACTATGATGCCAAGCGAGATTAAAGAAC 250
 Db 282 ATTTGTTCAGTCAATTTCCTACAAATAGAGGSCGAGTGGAACATCAGAGA 341
 QY 251 GGTCGAGTTTCAGTATTAATTGTTGATAGTCCTGGAGTGGAGAGATGTT 310
 Db 342 AAGTAGAGCTACAGATGTAACAAAGCCAAATTCTGAATGGTGGAAAGGAGATG 401
 QY 311 TCAAATAATTAAAAGTTAAACCAGCTTCCAATTTCACCTAACGATGTAACATT 370
 Db 402 TCCAGTATTACAGAGTTCAAGCCCTCTTCACAACTCAAAAGAAATGAGGAGCA 461
 QY 371 GCAGGCAATTGTGAGTATAGTAGTGTAGTGTAGAAGAACTCATCAGGGTCTCCATCTCAT 430
 Db 462 GGTGGCAAAAGTGTCCATTGATAGAAGAACTGTAGTGAGGAAGTTGCAGATCCAATA 521
 QY 431 ACTATATTGACCTCATGTTGATGTTGACATTAATGAT 490
 Db 522 AGTACATTCGCTTGAGTCAACTATCTGTCAGGATCTTGAGCCACTCTCAGGCAT 581
 QY 491 TTAATGCTGTGACATT 507
 Db 582 AAAAGGGATATATAAT 598

RESULT 6
 US-08-788-928A-19
 ; Sequence 19, Application US/08788928A
 ; GENERAL INFORMATION:
 ; APPLICANT: Bechtick, Richard K.
 ; APPLICANT: Kellogg, Jill A.

QY 431 ACTATATTGACCTCATGTTGATGTTGACATTAATGAT 490
 Db 522 AGTACATTCGCTTGAGTCAACTATCTGTCAGGATCTTGAGCCACTCTCAGGCAT 581
 QY 491 TTAATGCTGTGACATT 507
 Db 582 AAAAGGGATATATAAT 598

RESULT 7
 US-09-111-573-11
 ; Sequence 19, Application US/08788928A
 ; PATENT NO. 578394
 ; GENERAL INFORMATION:
 ; APPLICANT: Bechtick, Richard K.
 ; APPLICANT: Kellogg, Jill A.

RESULT 7
 US-09-111-573-11

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; Sequence 11, Application US/09111573
; Patent No. 5929102
; GENERAL INFORMATION:
; APPLICANT: Kellogg, Jill A.
; APPLICANT: Bestwick, Richard K.
; TITLE OF INVENTION: PLANT TISSUE / STAGE SPECIFIC PROMOTERS FOR
; TITLE OF INVENTION: REGULATED EXPRESSION OF TRANSGENES IN PLANTS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Avenue, Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; COMPUTER TYPE: Diskette
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSQL for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/111,573
; FILING DATE: 20-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Evans, Susan T.
; REGISTRATION NUMBER: 38,443
; REFERENCE/DOCKET NUMBER: 4257-0012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 324-0880
; TELEFAX: (650) 324-0960
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 75 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: PAG302, drul genomic clone
US-09-111-573-11

Query Match 14.5%; Score 99.4%; DB 2; Length 745;
Best Local Similarity 57.1%; Pred. No. 2.1e-15; Mismatches 0; Indels 0; Gaps 0;
Matches 181; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

Qy 191 ATGGCTCATCAACTGTTACACTATGGCAAGGAACTTTCAGGGAC 250
Db 282 ATGGTTCAGTGTATTTCATCAATATAGGGGAAGTGGACATTCAAGGGA 341
Qy 251 GGTCGAGTTTCAGGATAAATTTGATAGTCCTGGATGGAGGAGATGGT 310
Db 342 AAGTAGACCTAGCGATGTAACAAGGGAAATACTTGATGGATGGAGGATGTT 401
Qy 311 TCAAAATTATAAACGTTAACCGGTTACCGGTTACCGTGTAAACCTT 370
Db 402 TCCGTATTAACAGGCTTCAGGCCGCTATCAATTCAGGATGAGGCCAGCA 461
Qy 371 GCCTGGCAATTCTCAGTATGAGTGGAAACTTCATCGGTCCTGANTCCTCATCA 430
Db 462 GCATTGCGCAAGGTCCTCATGGATGAGAAGTCAGGAGGATGGAGTCATA 521
Qy 431 AGTATATGACCTAGTGTGGATCATCAAGCACATGGATCTCACATTAATAAGAT 490
Db 522 AGTACATTCGGCTGATGGCTATGCTGAACTTCATCAAGGGAT 581
Qy 491 TTATGTGTCAGATT 507

; RESULT 8
; US-08-592-936B-12
; Sequence 12, Application US/08552936B
; Patent No. 5783393
; GENERAL INFORMATION:
; APPLICANT: Kellogg, Jill A.
; APPLICANT: Bestwick, Richard K.
; TITLE OF INVENTION: PLANT TISSUE / STAGE SPECIFIC PROMOTERS FOR
; TITLE OF INVENTION: REGULATED EXPRESSION OF TRANSGENES IN PLANTS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Avenue, Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSQL for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/592,936B
; FILING DATE: 29-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; CLASSIFICATION: 800
; NAME: Evans, Susan T.
; REGISTRATION NUMBER: 38,443
; REFERENCE/DOCKET NUMBER: 4257-0012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 324-0880
; TELEFAX: (650) 324-0960
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2213 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: PAG310 insert sequence
US-08-592-936B-12

Query Match 14.5%; Score 99.4%; DB 1; Length 2213;
Best Local Similarity 57.1%; Pred. No. 2.7e-15; Mismatches 0; Indels 0;
Matches 181; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

Qy 191 ATGGCTCATCAACTGTTACACTATGGCAAGGAACTTTCAGGGAC 250
Db 1653 ATGGTTTCAGTGTATTTCATCAATATAGGGCGAAGTGGACATTCAAGGGA 1712
Qy 251 GGTCGAGTTTCAGGATAAATTTGATAGTCCTGGATGGAGGAGATGGT 310
Db 1713 AAGTAGACCTAGTGTATTTCATCAATATAGGGCGAAGTGGACATTCAAGGGA 1892
Qy 311 TCAAAATTATAAACGCTTAAACAGCTTACCAAATTGTCACCTAACGTCATT 370
Db 1773 TCCGTATTAACAGGCTTCAGGCTTCATCAATTCTCATCAAAAGATGATGGCAGCA 1832
Qy 371 GCCTGGCAATTCTCAGTATGAGTGGAAACTTCATCGGTCCTGANTCCTCATCA 430
Db 430 GCATTGCGCAAGGTCCTCATGGATGAGAAGTCAGGAGGATGGAGTCATA 521
Qy 431 AGTATATGACCTAGTGTGGATCATCAAGCACATGGATCTCACATTAATAAGAT 490
Db 490 AGTACATTCGGCTGATGGCTATGCTGAACTTCATCAAGGGAT 581
Qy 491 TTATGTGTCAGATT 507

; RESULT 9
; US-08-592-936B-12
; Sequence 13, Application US/08552936B
; Patent No. 5783393
; GENERAL INFORMATION:
; APPLICANT: Kellogg, Jill A.
; APPLICANT: Bestwick, Richard K.
; TITLE OF INVENTION: PLANT TISSUE / STAGE SPECIFIC PROMOTERS FOR
; TITLE OF INVENTION: REGULATED EXPRESSION OF TRANSGENES IN PLANTS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Avenue, Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSQL for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/592,936B
; FILING DATE: 29-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; CLASSIFICATION: 800
; NAME: Evans, Susan T.
; REGISTRATION NUMBER: 38,443
; REFERENCE/DOCKET NUMBER: 4257-0012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 324-0880
; TELEFAX: (650) 324-0960
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2213 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: PAG311 insert sequence
US-08-592-936B-12

Query Match 14.5%; Score 99.4%; DB 1; Length 2213;
Best Local Similarity 57.1%; Pred. No. 2.7e-15; Mismatches 0; Indels 0;
Matches 181; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

Qy 191 ATGGCTCATCAACTGTTACACTATGGCAAGGAACTTTCAGGGAC 250
Db 1653 ATGGTTTCAGTGTATTTCATCAATATAGGGCGAAGTGGACATTCAAGGGA 1712
Qy 251 GGTCGAGTTTCAGGATAAATTTGATAGTCCTGGATGGAGGAGATGGT 310
Db 1713 AAGTAGACCTAGTGTATTTCATCAATATAGGGCGAAGTGGACATTCAAGGGA 1892
Qy 311 TCAAAATTATAAACGCTTAAACAGCTTACCAAATTGTCACCTAACGTCATT 370
Db 1773 TCCGTATTAACAGGCTTCAGGCTTCATCAATTCTCATCAAAAGATGATGGCAGCA 1832
Qy 371 GCCTGGCAATTCTCAGTATGAGTGGAAACTTCATCGGTCCTGANTCCTCATCA 430
Db 430 GCATTGCGCAAGGTCCTCATGGATGAGAAGTCAGGAGGATGGAGTCATA 521
Qy 431 AGTATATGACCTAGTGTGGATCATCAAGCACATGGATCTCACATTAATAAGAT 490
Db 490 AGTACATTCGGCTGATGGCTATGCTGAACTTCATCAAGGGAT 581
Qy 491 TTATGTGTCAGATT 507

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Qy 491 TTAATGCTGCACATT 507
 Db 1953 AAAAGGGATATAAT 1969

RESULT 9
 US-08-788-928A-1
 Sequence 1, Application US/08788928A
 Patent No. 5783394

GENERAL INFORMATION:
 APPLICANT: Bestwick, Richard K.
 TITLE OF INVENTION: RASPBERRY PROMOTERS FOR EXPRESSION OF
 NUMBER OF SEQUENCES: 25
 TITLE OF INVENTION: TRANSGENES IN PLANTS
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/788, 928A
 FILING DATE: 24-JAN-1997
 CLASSIFICATION: 800
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/592, 936
 FILING DATE: 29-JAN-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Evans, Susan T.
 REGISTRATION NUMBER: 38, 443
 REFERENCE/DOCKET NUMBER: 4257-0015
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 324-0880
 TELEFAX: (650) 324-0960
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2213 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 INDIVIDUAL ISOLATE: pag310 insert sequence (dru 1 gene)

US-08-788-928A-1
 Query Match 14.5%; Score 99.4%; DB 1; Length 2213;
 Best Local Similarity 57.1%; Pred. No. 2.7e-15;
 Matches 181; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

Qy 191 ATGGCCUCACTTACCGATGATAATGCTGGATTACACTATGATGCCAAGGCAAGTTTARGAAC 250
 Db 1653 ATTGTTCAGTGATATTCTTACAAATAGGGCGAATCTCAGGAGA 1712

Qy 251 CGGTCSAGTTACCGATGATAATGCTGGATTACACTATGATGCCAAGGCAAGTTTARGAAC 310
 Db 1713 AGTAGAGCTGAGCTGATTCAGGCAATTCGATGGTGGANGGAGATGT 1772

Qy 311 TCAARAAATTAAACCTTAAACCGCTTACCAATTGPAACCTPAGGATGTACCAT 370
 Db 1773 TCCAGTATTACAGCTGCTCATCCGATTCAGGCTCATGGCTCCCTGATCCCTCAT 430

Qy 371 GCCAGGCAATTCTGAGTATAGAGTATGAGAAGCTCATCGGGCTCCCTGATCCCTCAT 430
 Db 1833 GCATGCCAAGTGCATTGAACTGAGTGAAGTGGAGATCCAAATA 1892

Qy 431 AGTATATGACCTCATGATTCAGTGGATCAGCTAACGACATGGATCTCACATTAAATAGAT 490
 Db 1893 AGTACATTCGCTTGATGACTTAATCGCAAGGATCTGTGCCCCACTTCATCAAGGCAT 1952

Qy 491 TTAATGCTGCACATT 507
 Db 1953 AAAAGGGATATAAT 1969

RESULT 10
 US-09-111-573-12
 Sequence 12, Application US/09111573
 Patent No. 5929302

GENERAL INFORMATION:
 APPLICANT: Kellogg, Jill A.
 TITLE OF INVENTION: PLANT TISSUE / STAGE SPECIFIC PROMOTERS FOR
 TITLE OF INVENTION: REGULATED EXPRESSION OF TRANSGENES IN PLANTS
 NUMBER OF SEQUENCES: 27
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Dehlinger & Associates
 STREET: 350 Cambridge Avenue, Suite 250
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94306
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/111, 573
 FILING DATE:
 CLASSIFICATION:
 PRIORITY DATA:
 APPLICATION NUMBER: US/08/592, 936
 FILING DATE: 29-JAN-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Evans, Susan T.
 REGISTRATION NUMBER: 38, 443
 REFERENCE/DOCKET NUMBER: 4257-0012
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 324-0880
 TELEFAX: (650) 324-0960
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2213 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 INDIVIDUAL ISOLATE: pag310 insert sequence

US-09-111-573-12
 Query Match 14.5%; Score 99.4%; DB 2; Length 2213;
 Best Local Similarity 57.1%; Pred. No. 2.7e-15;
 Matches 181; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

Qy 191 ATGGCTCATCAAGCTGTTGATTACATATTGATGCCAAGGCAAGTTTARGAAC 250
 Db 1653 ATTGTTCAGTGATATTCTTACAAATAGGGCGAATCTCAGGAGA 1712

Qy 251 CGGTCGAGTTACCGATGATAATGCTGGATTACACTATGATGCCAAGGCAAGTTTARGAAC 310
 Db 1713 AGTAGAGCTGAGCTGATTCAGGCAATTCGATGGTGGANGGAGATGT 1772

Qy 311 TCAARAAATTAAACCTTAAACCGCTTACCAATTGPAACCTPAGGATGTACCAT 370
 Db 1773 TCCAGTATTACAGCTGCTCATCCGATTCAGGCTCATGGCTCCCTGATCCCTCAT 430

Qy 371 GCCAGGCAATTCTGAGTATAGAGTATGAGAAGCTCATCGGGCTCCCTGATCCCTCAT 430
 Db 1833 GCATGCCAAGTGCATTGAACTGAGTGAAGTGGAGATCCAAATA 1892

Db 1773 TCCAGTATTACAAGAGCTTAAAGCCCGTCATCAATTCACTCATGATGGCAGCA 1832
 Qy 371 GCGAGGCAATTCTGTGAGTATGAGCTATGGAGAAACTCTCATGGGTTCTCCGTATCCATA 430
 Db 1833 GCATGGCAAGTGCAATTGAGAAGACTGGAGATTCAGATCCAAATA 1892
 Qy 431 AGTATATGACCTCATGATGGTATCATCAACGAGATGGTACATTAATAAGTAT 490
 Db 1893 AGTACATTCGCTTGATGACATAATGTCAGGACTGTGATGCCACTCATCAGGCAT 1952
 Qy 491 TTAATGCTGTCACATT 507
 Db 1953 AAAAGGGATATATAAT 1969

RESULT 11
 US-08-257-073-15/c
 Sequence 15, Application US/08257073
 Patent No. 5766597
 GENERAL INFORMATION:
 APPLICANT: Paoletti, Enzo
 APPLICANT: de Taisne, Charles
 APPLICANT: Tine, John A.
 TITLE OF INVENTION: MALARIA RECOMBINANT POXVIRUS VACCINE
 NUMBER OF SEQUENCES: 143
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Curtis, Morris & Stafford, P.C.
 STREET: 530 Fifth Avenue, 25th Floor.
 CITY: New York
 STATE: New York
 COUNTRY: UNITED STATES OF AMERICA
 ZIP: 10036
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/257,073
 FILING DATE: 09-JUN-1994
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/075,783
 FILING DATE: 11-JUN-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/852,305
 FILING DATE: 18-MAR-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/672,183
 FILING DATE: 20-MAR-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Ettemer, William S.
 REFERENCE/DOCKET NUMBER: 454310-2570
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 840-3333
 TELEFAX: (212) 840-0712
 TELEX: 425066 CURWIS
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1320 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-257-073-15

Qy 602 TATATTCATAAGTATGTTATATGGTTATATAATTACAAAGTAATAATCAGGAT 661
 Db 1091 TTTCCTCAGATAATCTTCCTGATTCTTCCTCATCTAAATCATCTAAATT 1032
 Qy 662 CATCCCTGGTTATCTTCCTGATTCTTCCTCATCTAAATCATCTAAATT 1092
 Db 1031 TCATTTCTCTAT 1018

RESULT 12
 US-08-098-327E-41/c
 Sequence 41, Application US/08098327E
 Patent No. 6270771
 GENERAL INFORMATION:
 APPLICANT: GUERIN-MARCHAND, Claudine
 APPLICANT: DRUILHE, Pierre
 TITLE OF INVENTION: PEPTIDE SEQUENCES SPECIFIC FOR THE
 TITLE OF INVENTION: HEPATIC SPACES OF P. FALCIPIARUM BEARING EPITOPE CAPABLE
 TITLE OF INVENTION: OF STIMULATING THE T LYMPHOCYTES
 NUMBER OF SEQUENCES: 46
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Burns, Doane, Swecker & Mathis
 STREET: P.O. Box 1404
 CITY: Alexandria
 STATE: Virginia
 COUNTRY: United States
 ZIP: 22313-1404
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/098,327E
 FILING DATE: 24-NOV-1993
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: FR 91 01286
 FILING DATE: 05-FEB-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: McGowan, Malcolm K.
 REGISTRATION NUMBER: 39,300
 REFERENCE/DOCKET NUMBER: 010830-045
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703) 836-6620
 TELEFAX: (703) 836-2021
 INFORMATION FOR SEQ ID NO: 41:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1482 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..1482
 PUBLICACION INFORMATION:
 DOCUMENT NUMBER: WO 92/13884
 PUBLICATION DATE: 20-AUG-1992
 US-08-098-327E-41

Query Match 6.0%; Score 41.2; DB 4; Length 1482;
 Best Local Similarity 56.7%; Pred. No. 0..21; Indels 0; Gaps 0;
 Matches 76; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

Query Match 6.0%; Score 41.2; DB 4; Length 1320;
 Best Local Similarity 56.7%; Pred. No. 0..21; Indels 0; Gaps 0;
 Matches 76; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

Qy 542 TATATTCATAAGTATGTTATATGGTTATATAATTACAAAGTAATAATCAGGAT 601
 Db 1313 TTTCATCTGGTTAAATTAATTCTTCCTCATCTAAATCATCTAAATT 1254
 Qy 602 TATATTCATAAGTATGTTATATGGTTATATAATTACAAAGTAATAATCAGGAT 661
 Db 1253 TTTCCTCAGATAATCTTCCTGATTTCTTCATTCTTCATCTAAATT 1194

Qy 662 CATCCCTTGTTAT 675
Db 1193 TCATTTCTCTAT 1180

RESULT 13
US-08-098-327E-45/c
; Sequence 45, Application US/08098327E
; Patent No. 6,270,711
; GENERAL INFORMATION:
; APPLICANT: GUERIN-MARCHAND, Claudine
; TITLE OF INVENTION: PEPTIDE SEQUENCES SPECIFIC FOR THE
; NUMBER OF SEQUENCES: 46
; TITLE OF INVENTION: HEPATIC STAGES OF P. FALCIPARUM BEARING EPITOPE CAPABLE
; TITLE OF INVENTION: OF STIMULATING THE T LYMPHOCYTES
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Burns, Doane, Swecker & Mathis
; STREET: P.O. Box 1404
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/098,327E
; FILING DATE: 24-NOV-1993
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 91 01286
; FILING DATE: 05-FEB-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: McGowan, Malcolm K.
; REGISTRATION NUMBER: 39,300
; REFERENCE/DOCKET NUMBER: 010830-045
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1482 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1482
; PUBLICATION INFORMATION:
; DOCUMENT NUMBER: WO 92/13884
; PUBLICATION DATE: 20-AUG-1992
; US-08-098-327E-45

Query Match Score 41.2; DB 4; Length 1482;
Best Local Similarity 56.7%; Pred. No. 0.21; Mismatches 0; Indels 0; Gaps 0;
Matches 76; Conservative 0;

Qy 542 TTATATTATTTGAGTAATTCGTGGTTGATTGATCTTGCATTGCTT 601
Db 1313 TTATCATTTGGTTAAATTATATCCCTTGTGTTTCAATTCTTCCTTTTATT 1254
Qy 602 TTATATTCAATAAGTTATATGTTTATATAAATACAAAGTAATAAATCCAAAGAT 661
Db 1253 TTTCCTCAGAATTCATGTTCTATGTTCTATCTTCAATCTAAATTCTAAATT 1194
Qy 662 CATCCCTTGTTAT 675
Db 1193 TCATTTCTCTAT 1180

Query Match Score 41.2; DB 4; Length 1482;
Best Local Similarity 56.7%; Pred. No. 0.21; Mismatches 0; Indels 0; Gaps 0;
Matches 76; Conservative 0;

Qy 542 TTATATTATTTGAGTAATTCGTGGTTGATTGATCTTGCATTGCTT 601
Db 1313 TTATCATTTGGTTAAATTATATCCCTTGTGTTTCAATTCTTCCTTTTATT 1254
Qy 602 TTATATTCAATAAGTTATATGTTTATATAAATACAAAGTAATAAATCCAAAGAT 661
Db 1253 TTTCCTCAGAATTCATGTTCTATGTTCTATCTTCAATCTAAATTCTAAATT 1194
Qy 662 CATCCCTTGTTAT 675
Db 1193 TCATTTCTCTAT 1180

RESULT 15
US-08-462-625-45/c

Sequence 45, Application US/08462625

Patent No. 6319302

GENERAL INFORMATION:

APPLICANT: GUERIN-MARCHAND, Claudine

APPLICANT: DUREILLE, Pierre

TITLE OF INVENTION: PEPTIDE SEQUENCES SPÉCIFIQUE FOR THE
TITLE OF INVENTION: HEPATIC STAGES OF P. FALCIPIARUM BEARING EPITOPES CAPABLE
OF STIMULATING THE T LYMPHOCYTES

NUMBER OF SEQUENCES: 46

CORRESPONDENCE ADDRESS:

ADDRESSEE: Burns, Doane, Swecker & Mathis

STREET: P.O. Box 1404

CITY: Alexandria

STATE: Virginia

COUNTRY: United States

ZIP: 22313-1404

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/462, 625

FILING DATE: 05-JUN-1995

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/098, 327

FILING DATE: 24-NOV-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: FR 91 01286

FILING DATE: 05-FEB-1991

ATTORNEY/AGENT INFORMATION:

NAME: McGowan, Malcolm K.

REGISTRATION NUMBER: 39, 300

REFERENCE/DOCKET NUMBER: 010830-078

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 836-6620

TELEFAX: (703) 836-2021

INFORMATION FOR SEQ ID NO: 45:

SEQUENCE CHARACTERISTICS:

LENGTH: 1482 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

FEATURE:

NAME/KEY: CDS

LOCATION: 1..1482

PUBLICATION INFORMATION:

DOCUMENT NUMBER: WO 92/13884

PUBLICATION DATE: 20-AUG-1992

US-08-462-625-45

Query Match 6.0%; Score 41.2; DB 4; Length 1482;
Best Local Similarity 56.7%; Pred. No. 0.2%; Mismatches 58; Indels 0; Gaps 0;

Qy 542 TTATATTATTTGAAGTAATTTCGCTGGTGATPATGTTATTTGCCTT 601
Db 1313 TTACATGGTTAAATTATCCCTGTGTTTCAATTCTTCAATT 1254

Qy 602 TTATATTCAATAAAGTTATGGTTATATAAAGTAATAATCCAGGAT 661
Db 1253 TTTCCTCTCATATACTCTGTGATTTCTCATCTCATCTAAATT 1194

Qy 662 CATCCCTGGTTAT 675
Db 1193 TCATTTCTCTAT 1180

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OM nucleic - nucleic search, using sw model

Run on: November 2, 2002, 13:15:51 ; Search time 51.3274 Seconds (without alignments)

7432.073 Million cell updates/sec

Title: US-09-811-093B-42-COPY_156_1708

Perfect score: 1553

Sequence: 1 taactagaaggtaaaatc 1553

Scoring table: IDENTITY_NUC Gapext 1.0

Searched: 303533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_NA:*

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2: /cn2_6/ptodata/1/ina/5B/COMB.seq:/*
3: /cn2_6/ptodata/1/ina/6A/COMB.seq:/*
4: /cn2_6/ptodata/1/ina/6B/COMB.seq:/*
5: /cn2_6/ptotdata/1/ina/PCUS/COMB.seq:/*
6: /cn2_6/ptodata/1/ina/backfile1.seq:/*

Pred. No. 1 is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID	Description
1	92.8	6.0	636	Sequence 1137, AP
2	89.8	5.8	837	Sequence 288, APP
3	89.2	5.7	7218	Sequence 14, APP
4	89	5.7	6124	Sequence 3, APP
c 5	86.6	5.6	19124	Sequence 13, APP
c 6	86.2	5.6	19124	Sequence 13, APP
7	84	5.4	6115	Sequence 186, APP
c 8	80.8	5.2	1431	Sequence 2, APP
c 9	76.2	4.9	5852	Sequence 2, APP
c 10	74.2	4.8	5852	Sequence 2, APP
c 11	74	4.8	240	Sequence 6, APP
c 12	73.6	4.7	6243	Sequence 1, APP
c 13	73.4	4.7	1511	Sequence 8, APP
c 14	73.4	4.7	1511	Sequence 8, APP
c 15	73.4	4.7	1511	Sequence 8, APP
c 16	73.2	4.7	658	Sequence 595, APP
c 17	72.6	4.7	2447	Sequence 14, APP
c 18	71.8	4.6	854	Sequence 534, APP
c 19	71.4	4.6	3095	Patent No. 5231168
c 20	71.2	4.6	636	Sequence 1137, AP
c 21	70.8	4.6	724	Sequence 683, APP
c 22	70.4	4.5	732	Sequence 1036, AP
c 23	69	4.4	3701	Sequence 10, APP
c 24	69	4.4	3701	Sequence 10, APP
c 25	68.8	4.4	837	Sequence 10, APP
c 27	68.4	4.4	6152	Sequence 288, APP

ALIGNMENTS

RESULT 1
US-09-998-416-1137
; Sequence 1137, Application US/08998416
; Patent No. 6339264

GENERAL INFORMATION:

APPLICANT: Philppsen, Peter
; Pohlmann, Rainer
APPLICANT: Steiner, Sabine
APPLICANT: Mohr, Christine
APPLICANT: Wendland, Jurgen
APPLICANT: Kuechle, Philipp
APPLICANT: Reibischung, Corinne
TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHYBA GOSSYPII
TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHYBA GOSSYPII
NUMBER OF SEQUENCES: 1152
CORRESPONDENCE ADDRESS:
ADDRESS: No. 6239264 Hartis Corporation
STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: No. 27709
COUNTRY: USA
ZIP: 27709
COMPILER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/M-DOS
SOFTWARE: Patent Release #1.0, version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/998,416
FILING DATE: 24-DEC-1997
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: CH 0016/97
FILING DATE: 31-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8587
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 1137:
SEQUENCE CHARACTERISTICS:
LENGTH: 636 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: PAG1692RP

QY	739	AAAGACCCCTTAATAATTGAAATTGGCATATAATTAAATTTTCCCCAAGAAAGTAG 798
Ddb	1654	TACATTTTTTTTTTTTTTAACCGACTAAATATTGAGATC 1713
Ddb	799	ACATGGCTATCTAAAAATTGATTCCCATAATAGAACAAATCTCAATTGACAACCA 858
QY	1714	ACATTTTAAATTATTTTTTTCGGTTAACATTTTTGTCCACCTAACTA 1773
QY	859	TTGAAATTCTCGATATGAAACATTAATCTTGAATGGCACATTCAAACT 918
Ddb	1774	ATCCCTGTATCTTAAAAAATGACATGACATGACATGATATATATA 1833
QY	919	TAT-TCCAAACGTAACCTTGAGGAAAGTTGATTGAGATTACATCCATATTGTTGGTT 977
Ddb	1834	TATGGATTCTCPACATTAAATATTTAGATATAAATTCCTGAGATAC 1893
QY	978	TCATATGAAATTCTATGGAAAATAAATGGCACACAAAATGATGATGAGATTAACCAA 1037
Ddb	1894	TATATTGATAATCGAAATCTTAAATGTTACAAALATGAGATGAAAAACTCACTT 1953
QY	1038	AGTTATGTTATGAAATCTCTTTATTAACACAAATTTAAACCTGTTGCCA 1097
Ddb	1954	ATTAT 2013
QY	1098	ATAGACCAATATAGTTAATCCATCGGGCTATGAGATAATTGTAATTTGTTAT 1157
Ddb	2014	ATATGGTTCTTTTTTTTTTTTTAGAGGTGCAATATTTTT 2073
QY	1158	ATTATAAAATATTTGATTATTTGATAATTGTTAGATAACAAATTAGATT 1217
Ddb	2074	TTTGTGATTTAAATAAAAGGGTCATATTCTGAAATTCTCTTATGAGATGTCAC 2133
QY	1218	TAATATTTATTTATCTTAATAACATTAACTTGTAAATTTCTTCTTCTT 1270
Ddb	2134	AAAAAAAATTTAAATTTAAATTTAAATTTAAATTTAAATTTAAATTTAAATTTAA 2193
QY	1271	ACCATTCTCTTATTATTTATCTTAATAACATTAACTTGTAAATTTCTCTTCTT 1330
Ddb	2194	TATTTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTAA 2253
QY	1331	TTATTTATCCAAAATAATGCTATAAAATGGGTCTCTTATCCTCTCATGA 1390
Ddb	2254	TTTGTGTTCTCAAAATTTAAATTTATTTATTTATTTATTTATTTATTTATTT 2309
QY	1391	TAATTTGAAATAATAATAATAATAATAATAATAATAATAATAATAATAATAATA 1450
Ddb	2310	CATATTTATTAACATTAAGAAAATTTAAATTTCAACATATCATAAAATTAAGTT 2369
QY	1451	TGATATTTACTATATCAACAACTTGTGTTATAAAAAGGGCAAGAAAT 1497
Ddb	2370	CITTAATTTATTAACCTTAATAATTCATATAATCAAAATGANGTAT 2416

RESULT 7

US-09-998-416-186

; Sequence 186 Application US/08998416

; Patent No. 6239264

; GENERAL INFORMATION:

; APPLICANT: Philippson, Peter

; APPLICANT: Pohlmann, Rainer

; APPLICANT: Steiner, Sabine

; APPLICANT: Mohr, Christine

; APPLICANT: Wendland, Jürgen

; APPLICANT: Knechtle, Philipp

; APPLICANT: Reibischung, Corinne

; TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHYA GOSSYPII

; NUMBER OF INVENTION: AND USES THEREOF

; NUMBER OF SEQUENCES: 1152

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: No. 6239264 artis Corporation

; STREET: 2054 Cornvalles Road

; CITY: Research Triangle Park

; STATE: No. 6239264th Carolina

; COUNTRY: USA

; ZIP: 27709

; COMPUTER READABLE FORM:

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/998,416

; FILING DATE: 24-DEC-1997

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: CH 0016/97

; FILING DATE: 31-DEC-1996

; ATTORNEY/AGENT INFORMATION:

; NAME: Me19s, J. Timothy

; REGISTRATION NUMBER: 38,241

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 919-541-5587

; TELEFAX: 919-541-6689

; INFORMATION FOR SEQ ID NO: 186:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 615 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

; ORIGINAL SOURCE:

; ORGANISM: Pac1074RP

US-08-998-416-186

Db 1348 TATATATATAATATCTTTTATTAAATTGTCCTCTTTTTAAATAATAA 1407

Qy 1352 ATGGCTATAAAATATGGGTCTCTTATACCTCATGATAATTGAAATAATAA 1411

Db 1408 TAATTAATTAATATTTTCTATTAATATGATTAGTTAATTAATAATAAAT 1467

Qy 1412 ATTAATTAATTAATTCATTCATCTAATCGTAAAGGTGATATTACTA 1462

Db 1468 CTTTAAAAACACTCAAATTTGCATAAAATAATTAGTAGTAA 1518

Db 76 TTAACATTATTATCATTATTAAATAATAAATTGATTAAACTTATTATAT 135

Qy 871 GATATGAAACATTACTATTGAAATGGGACATTCRAAGTTATCCAAACGT 930

Db 136 AATTTATTAATTAATTCATTAATCATTAACTCATTTAATTAATAAAT 192

Qy 931 AACCTTGAGGAAAGTGTGATTGAGATACATCTTGTGTTCAATTGAAATT 990

Db 193 ATATTAATPATGAACTACTATTGTCATTTAAATTAGTTAATTAATAAT 252

Qy 991 CATGGAAATTAATGACACAAAATGAGATAAACCGAAAGTTATCGTTAT 1050

Db 253 TATTAGATTTATTTTC-----TTAATTAATTAATAGATTACATAAA 303

Qy 1051 TGAATCTTTTATTAACACAAATTAAACTCTGCAATGACCAATA 1110

Db 304 TTAAATPATPATTTAATGTTATTAATTAATTTATTAATAGATTAA 363

Qy 1111 GTAAATCATGTGGCATTGTGAAATTGTTATTAATATAATAATAT 1170

Db 364 ATTAAATTAATATGAAATTATTTTATTAATATCTATTTTATAATAATAT 423

Qy 1171 TTGATTATTTGATATTGTTATGATAAAATGTTATTAATTTAACTTA 1230

Db 424 GTTGATTATTT-ATTRACTTTTAAAGTAAATTAAATTTAACTTA 482

Qy 1231 ATATCTTAATTAACATTGTTAATTCTTCTATTAGCAATTCTCTATTAT 1290

Db 483 ATTCTTATPATTTAATTTATTTATTAATATCTATTTATTTATTTAT 542

Qy 1291 ATAACATTAAACTAAATGATGTGACACACTATTATTTATTCAAAGAAA 1350

Db 543 ATTAAATTAATTTAATTTATTAATTTATCATTTAAATTAAATAATAAATA 602

Qy 1351 TAT 1354

Db 603 TTAT 606.

RESULT 8

US-09-316-083-2/c

; Sequence 2, Application US/09316083A

; Patent No. 6239264

; GENERAL INFORMATION:

; APPLICANT: THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH

; FILE REFERENCE: PH-651

; CURRENT APPLICATION NUMBER: US/09/316,083A

; CURRENT FILING DATE: 1999-05-20

; EARLIER APPLICATION NUMBER: JP98/141861

; EARLIER FILING DATE: 1998-05-22

; NUMBER OF SEQ ID NOS: 38

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 2

; LENGTH: 1431

; TYPE: DNA

; ORGANISM: Saccharomyces cerevisiae

; FEATURE: CDS

; NAME/KEY: CDS

; LOCATION: (1)...(1428)

; US-09-316-083-2

Query Match 5.28; Score 80.8; DB 4; Length 1431;

Best Local Similarity 4.4%; Pred. No. 3.6e-05;

Matches 457; Conservative 1; Mismatches 563; Indels 9;

Gaps 3;

Qy 419 ACAAAAGATTTAAACATTGTTAGTCACATCTAAACATTGTTAACAAATAAC 478

Db 1125 AGAAATGATAATCAAGATTCGAAATTAAATTTCTACGTGTTCAAC 1066

Qy 479 GATGAAATTGAAATAATAAATGCGTGTGATTGGCTATCCAAATTAAATGCAACATCT 538

Db 1065 TTGTGAATAACATAACTAGGTCTCATTTAAATGATCTTAGGATTATA 1006

Qy	539	AAAGCATCGTATAACAAATCTAACGKACAAATCTAAATGATCATGACCAAA	598
Db	1005	CATAGTGATAAAGAACCCATCTGCACGTGAAACAGCTAACCTATTGTT	946
Qy	599	TATATATGSCACATTGTCAGGGTGGSTTGACGGAACATTGTTGTTAAATTATTG	655
Db	945	AATACCAATAATTGTTAAAGGTAATTAACTTAACTTAAATTATAATAAGG	886
Qy	659	GGTTGTAGAATTGTCATTGGAAATTGTCATAACATAAAATAAAATTATTTA	718
Db	885	GATGAGTATTAAATTGTTGATTAACTTAAATTATAAAATTATTTAATATAAGG	826
Qy	719	CCACTTCGTTATAATTTCGAAAAGCCCCCTAAATAATTGAATTGCGAT---ATAATT	774
Db	825	AAAATCTTCTTAGCTTAAGTGTAAATTAAAGAAGCATTAAACARATA	766
Qy	775	AAANTTTTCCAAAAGTAGACTAACTGCTACTAAATAATTGATGCCAAATAGA	834
Qy	835	ACAATTCTCAAATGAAACAACTGAAATTCTCGATATAGAAACATTACTATT	894
Db	705	ATTATAAAGATAGTAAAGTCCATCATTTTCGACTAAATACTATTTAATCTT	706
Qy	765	AGGATATCCTTAAAGTCCATCATTTTCGACTAAATACTATTTAATCTT	646
Db	705	ATTATAAAGATAGTAAAGTCCATCATTTTCGACTAAATACTATTTAATCTT	646
Qy	895	TGAATTGGGACATATCCAAAGTTATTC--AACGTTAATTGAAAGATTGATT	952
Db	645	ACCAATAACCATCACCTCAATAACCTGTATAAAATCATAAATCTATTATT	586
Qy	953	GAGATACATCCATTTTTCATATTGATTGAAATTAAATGCAAC	1012
Db	585	AAACCTAAACTAAFACTGTTTAAATTAACTTACCCATTAAATACATATT	526
Qy	1013	AAAATGATGATGAGATAACCAAGTTATCGTTATGAAATTAAATTAAC	1072
Db	525	ATTATGGGATCATTTTACATCTAACTTCAATTATTTTAAATTAATTT	466
Qy	1073	AACAAATTTAAACACTGTTGCAATAGCCAATTATGTTAATCCTGGTTATG	1134
Db	465	ATCCATTAATAAAATTATTAGATA---AATTATTCATATAAGATTAATT	409
Qy	1133	TGAAATTGTTGAAATTGTTGTTATTAATTAATTTGATTATTTGATTTAT	119
Db	408	AAATTATTCATAAAATTGTTTAAATTAATTCATTATTTGAAATTATTTATT	349
Qy	1193	GTATTAGATAACAAATTAGATTAAATTTATCTAAACATTGTT	1254
Db	348	ATTATTAATTATGTCATTTCATTAAATTAATTAATTAATTAATTAATTA	289
Qy	1253	TAATTATTCATTTAGACCATTTCTCTTATTATTAACATTAACTAAATG	1314
Db	288	TAATTATTCATTTGAAATTCTTAACTATTCATTAGACATAGGTGTA	229
Qy	1313	ATGTCACACACTATATTATTATTCAGGAAATTATGCTATAAATATGGCT	1372
Db	228	TTGTTATGATGTTATAACATTATAACATCTAAATAATTAATTTTATT	169
Qy	1373	TCTTATCACCTTCATGATAATTGAAATAAAATTATAATTCATT	1432
Db	168	ATTATCCATTAACTTAAACAGTCATATTCATTAAATTTATACATATCATA	109
Qy	1433	TCATCTAATC 1442	9
Db	108	TTCCATTAATC 99	9

RESULT 12
US-09-056-075-1/c
 Sequence 1, Application US/09056075
 Patent No. 5955368
GENERAL INFORMATION:
 APPLICANT: Johnson, Eric A.
 APPLICANT: Bradshaw, Marite A.
 APPLICANT: Rood, Julian
 TITLE OF INVENTION: Expression System for Closstridium
 TITLE OF INVENTION: Species
 NUMBER OF SEQUENCES: 2
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Quarles & Brady
 STREET: 1 South Pinckney Street
 CITY: Madison
 STATE: WI
 COUNTRY: US
 ZIP: 53701-2113
COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentent Release #1.0, version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/056,075
 FILING DATE:
CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Seaby, Nicholas J.
 REGISTRATION NUMBER: 271386
 REFERENCE/DOCKET NUMBER: 960296-95238
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 608-251-5000
 TELEFAX: 608-251-9166
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 6243 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: 3770..4013
 OTHER INFORMATION: /note- "RP4 origin of DNA transfer"
 OTHER INFORMATION: Plasmid RP4"
US-09-056-075-1

Query Match 4.78; Score 73.6; DB 2; Length 1107
 Best Local Similarity 58.1%; Pred. No. 0; 0.00048;
 Matches 150; Conservative 0; Mismatches 104; Indel 1

QY 1047 TTATGAAATTCTTTATTAAACCAACAAATTATTGAACTTGTATTAGCTTATTTGTTCC
DY 1473 TTATTGATTATTATTCTCAAGATTATAATTATATAAAATAATTTTTC
QY 1107 TATAGTTAATCCTATCGTGTATTGAGATAATTGTAAATTGTAAATTGTAAATTGTGTA
DY 1413 TAATAAAATATTTTTATATTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTAT
QY 1167 ATATTGATTATTGTATTGATTATTGATTATTGATTATTGATTATTGATTATTGATTATTGATT
DY 1353 TATATTGATTATTGATTATTGATTATTGATTATTGATTATTGATTATTGATTATTGATT
QY 1227 TTATTATCCTAAATAAACATTGTTAATTCTATTAGCTTATTTGTTCC
DY 1297 TTATTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTAT

QY 1149 TTTGTTATTAATATAATTTGATTATTTGATAATTTGTATTAGATAACAAA 1208
 Db 895 AATTTATAATTAACAAATTAACAGAGATAATGTTATATAATATAATATAT 954
 QY 1209 ATTAAGTATTAATATTTATCTTAATTAACATTGGTTAATTTCTTATTTT 1268
 Db 915 TAAAAAATTAGTTAAATTTAGAAATTCATATAATTTGATAATTTAA 1014
 QY 1269 AGACCATTCCTCTTATTTATACATTAACTAAATGAGCACACACTAA 1328
 Db 1055 ATTAATATCAGAA-----ATTTAAAGTTATATAATTCATAATCAAA 1069
 QY 1329 TATTATTTATCCAAAGAAAATATGGCTTAAATATGGGTCTTATCACCTCAT 1388
 Db 1070 TTAAATTATACAAATTAACATAATTTAGATATCTTATAACAAAAA 1129
 QY 1389 GATAATATGAAATAAATAAATTTATTTATTAATTCATTCATA 1435
 Db 1130 TAGCAATATAAGTAAATTTATTTACACATCTTATAAGAATTTTAA 1176

RESULT 15
US-08-544-332-8
 Sequence 8, Application US/08544332
 Patent No. 5935777
 GENERAL INFORMATION:
 APPLICANT: Moyer, Richard W.
 APPLICANT: Hall, Richard L.
 APPLICANT: Gruidl, Michael E.
 TITLE OF INVENTION: NO. 5935777 Entomopoxvirus Expression System
 NUMBER OF SEQUENCES: 77
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Gerard H. Bencen
 STREET: 2421 N.W. 41st Street, Suite A-1
 CITY: Gainesville
 STATE: FL
 ZIP: 32606
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/544,332
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/991,867
 FILING DATE: 07-DEC-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/107,755
 FILING DATE: 19-AUG-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: WO 92/14818
 FILING DATE: 12-FEB-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/827,685
 FILING DATE: 30-JAN-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/657,584
 FILING DATE: 19-FEB-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Bencen, Gerard H.
 REGISTRATION NUMBER: 35,746
 REFERENCE/DOCKET NUMBER: UF114.C4
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 904-372-5800
 TELEFAX: 904-372-58100
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1511 base pairs

